

10.30.0E

## IN THE U NITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Faquir JAIN and Fotios PAPADIMITRAKOPOULIS

Art unit:1774

Serial No. 09/547,415

Filed: April 11, 2000

For: FULL COLOR DISPLAY STRUCTURE USING CNC THIN FILM

AMENDMENT (clear copy)

Commissioner of Patents Washington, D.C. 20231

Sir:

In response to USPTO Action dated Jan. 30, 2002, please amend the application as follows:

REFERENCES:

Please delete the list references on page 22.

ÍN THE DRAWINGS:

Please add reference number "15" in Figure 2(a) as attached.

IN THE SPECIFICATION:

On page 2, line 15, delete "(30" and insert therefor --"3"--.

IN THE CLAIMS:

Please rewrite claims 1, 3, 5-8, 10, 12 and 44 as follows:

a semiconductor-on-insulator substrate;

a p-doped Si layer grown on the said substrate, part of the layer being oxidized to isolate the electrodes at the bottom of said device;

a thin layer of Si relative to the substrate which allows further epitaxial growth;

a p-doped wide energy gap relative to the cladded nanacrystals (CNCs) semiconductor layer grown epitaxially;

a layer comprising pseudomorphic cladded quantum dots nanocrystals (CNCs) deposited on the said wide energy gap layer for lattice matched electroluminescence;

a thin wide energy gap relative to the cladded quantum dot nanocrystals (CNCs) semiconductor layer relative to the substrate\_having n-type conductivity, grown on the CNC layer; and

,br